ABSTRACT

Disclosed is an apparatus for stopping iterative decoding in a turbo decoder performing iterative decoding on a received frame comprised of

5 information bits and then outputting the iteratively decoded results. A turbo decoder sequentially outputs absolute LLR (Log Likelihood Ratio) values associated with the respective information bits of the received frame by the iterative decoding, and stops the iterative decoding in response to a stop command for the iterative decoding. A minimum LLR detector selects a

10 minimum value $M(i)$ among the sequentially output absolute LLR values. A controller issues a command to stop the iterative decoding, if the minimum value $M(i)$ is larger than a first threshold determined based on a minimum value F_{min} among absolute LLR values output through previous iterative decoding.